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PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-003
U.S. Patent & Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary)				COMPLETE IF KNOWN	
				Application Number	09/593,547
				Filing Date	June 14, 2000
				First Named Inventor	J. HEINONEN
				Group Art Unit	2734
Examiner Name	(Unknown)				
SHEET	1	OF	1	Docket Number	1999-0336B (STG182) (103567-157990)

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (If known)			
Em		3,571,717	A	Monrolin	03/23/71	Abstract
Em		5,596,606		Montreuil	01/21/97	Figure 5

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (If known)				
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶

Examiner Signature	<i>[Signature]</i>	Date Considered	October 14, 2003
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two letter-code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
BW		EP	0 453 203 A		Telebit Corp.	10/23/91	Page 4, line 20 - page 7, line 19	

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Examiner Signature	<i>William M.</i>	Date Considered	October 16, 2003
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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(use as many sheets necessary)

COMPLETE IF KNOWN

Application Number	09/593,547 49
Filing Date	June 14, 2000
First Named Inventor	J. HEINONEN
Group Art Unit	2734
Examiner Name	(Unknown)
Docket Number	1999-0336B (STG182) (103567-157990)

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		Number	Kind Code ² (If known)			
GA		5,351,235		LAHTINEN	09/27/01	

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				

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Examiner Signature	<i>Duller M</i>	Date Considered	<i>October 16, 2003</i>
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SHEET 1 OF 1

Form PTO-1449

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION
(Use Several Sheets If Necessary)

Docket No: 1999-0336B (STG 182)

Application No: 09/593,547

Applicant: J. Heinonen et al.

Filing Date: 6/14/2000

Group Art Unit: (unknown)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Am	5,596,582	01/21/97	Sato et al.	370	509	
Am	5,774,450	06/30/98	Harada et al.	370	206	

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						YES	NO

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Am	A1	Lawrey, Eric, OFDM Results, http://www.eng.jcu.edu.au/eric/thesis/Thesis , http://www.eng.jcu.edu.au/eric/thesis/chapter1.htm (September 24, 1999), http://www.eng.jcu.edu.au/eric/thesis/chapter2.htm and http://www.eng.jcu.edu.au/eric/thesis/appendix.htm , November 5, 1999 (56 pgs)
Am	A2	Speth, Michael, OFDM Receivers for Broadband-Transmission, OFMD, http://www.ert.rwth-aachen.de/Projekte/Theo/OFDM/www_ofdm.html node1.html through node9.html , November 8, 1999 (15 pgs)
	A3	Speth, Michael, et al., "Broadband Transmission Using ODM: System Performance and Receiver Complexity", (7 pgs) (date unknown)

EXAMINER

James M...

DATE CONSIDERED

October 16, 2003

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		Filing Date	14 June 2000
		First Named Inventor	J. Heinonen et al.
		Group Art Unit	2734
		Examiner Name	Unknown
SHEET	OF	Docket Number	1999-0336B (STG182)

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GM		5,799,000		HOOLE	08-25/1998	

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GM		PCT	WO 98/19410		DISCOVISION ASSOCIATES	05-07-1998		
GM		EPO	91303289.2		TELEBIT CORPORATION	04-15-1991		

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GM	A1	PCT, INTERNATIONAL SEARCH REPORT FOR PCT/US 00/ 40231, Mailed 20 October 2000, (4 pgs.)	
GM	A2	ZAMAN, S.U. ET AL., "Use of the DFT for Synchronization in Packetized Data Communications", IEEE, 19 April 1994, pp. III-261 - III-264, Publisher unknown	
GM	A3	YOOH, J.H. ET AL., "On Synchronizing and Detecting Multi-carrier CDMA Signals", IEEE, 6 November 1995, pp. 512-516, Publisher unknown	

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